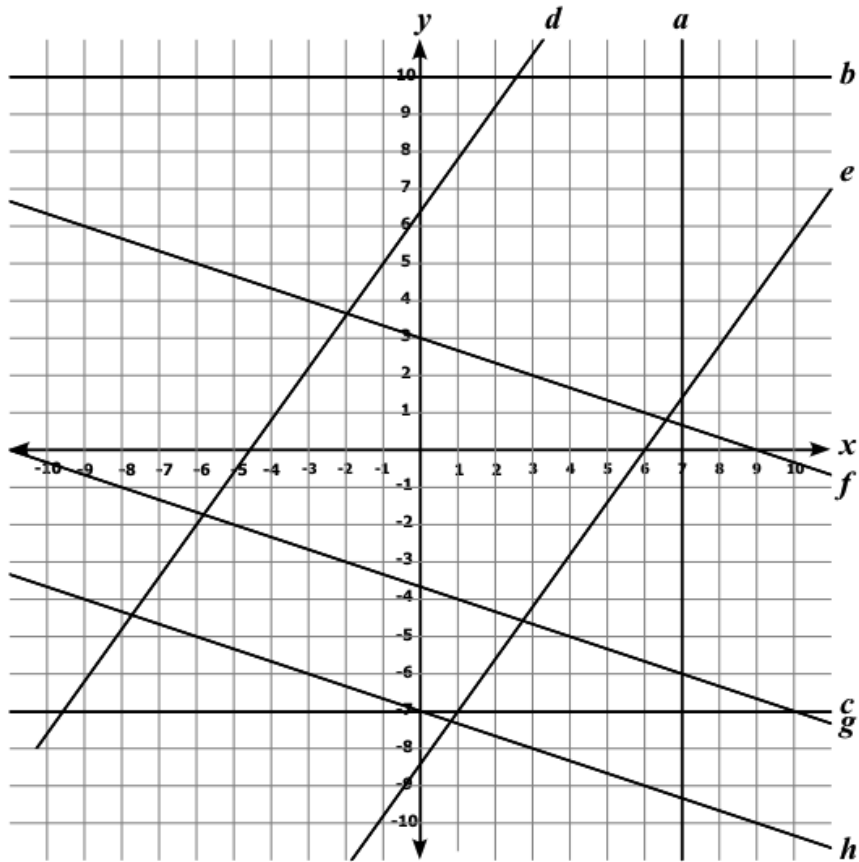


Distance Between Parallel Lines Quiz

Use the following diagram to answer the questions #1-8
Give answers to the nearest hundredths.



1. What is the distance, in units, between line **a** and the line $x = 0$?
2. What subtraction is it that gives the distance between lines **b** and **c**?
3. The equation of line **d** is $5y = 7x + 32$
Find a point on the line in the diagram that has integer coordinates.
4. The equation of the line **e** is $5y = 7x - 42$
Use your answer to question #4 and the distance formula to find the distance between the lines **d** and **e**.
5. Find the distance between the parallel lines **f** and **g**.
6. Find the distance between the parallel lines **g** and **h**.
7. Find the distance between the parallel lines **f** and **h** from your answers to questions #5 and 6.
8. Find the distance between the parallel lines **f** and **h** by using the distance formula.
9. Find the distance between lines $y = 3x + 7$ and $y = 3x - 13$
10. Find the distance between lines $y = \frac{-2}{3}x + 13$ and $y = \frac{-2}{3}x - 13$